

# EMOTIVA®



## SA-250

Studio Reference Power Amplifier



# Important Safety Precautions and Explanation of Symbols



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important installation, operation, and service instructions in this manual.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltages within the enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to the user.

Please read this manual thoroughly before attempting to install, configure, or operate the SA-250 power amplifier. After successful installation and configuration of the SA-250, be sure to retain this manual in a safe place for future reference.

Safety is a key component to a long lasting and trouble free installation. Please read and follow all instructions and heed all warnings on the SA-250 and in this manual. The vast majority of the subsequent safety precautions are common sense. If you are not comfortable with the installation of audio/video entertainment equipment, you should seek the services of a qualified installation professional or call us for help.



**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THE SA-250 NEAR WATER OR IN WET LOCATIONS, DO NOT EXPOSE IT TO RAIN OR MOISTURE, DO NOT EXPOSE IT TO DRIPPING OR SPLASHING FROM OTHER SOURCES, AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS (SUCH AS VASES) ARE PLACED ON IT. DOING SO MAY RESULT IN DAMAGE TO THE UNIT AND THE RISK OF ELECTRIC SHOCK, WHICH MAY RESULT IN BODILY INJURY OR DEATH.**



**WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER FROM THE SA-250. THERE ARE NO USER-SERVICEABLE PARTS INSIDE THE UNIT. REFER ALL SERVICE TO QUALIFIED SERVICE PERSONNEL.**

Do not install the SA-250 near or above any heat sources such as radiators, heating vents, or other apparatus' that produce heat. Do not block any ventilation openings or heat sinks. Avoid installing the unit directly above other heat-producing equipment unless sufficient ventilation or forced-air cooling is provided.

Do not install the SA-250 in locations without proper ventilation. The SA-250 should not be operated on a bed, sofa, rug, or similar surface that may block vents. The unit should not be installed in an enclosed location such as a bookcase, cabinet, or closed equipment rack unless sufficient forced-air ventilation is provided.

Always install your SA-250 according to the manufacturer's instructions and only use attachments or accessories specified by the manufacturer.

Do not install the SA-250 on any stand, shelf, or other piece of furniture that is unable to support its weight. If a cart is used to move the unit, use caution to avoid injury from tip-over.

Connect the SA-250 only to power sources of the correct voltage (as shown in this manual and on the SA-250 unit).

Protect power supply cables from being pinched, walked on, or otherwise damaged. Be especially careful where the power cable enters the power outlet and the unit.

Only connect the SA-250 to an electrical outlet or extension cord of appropriate type and rating.

DO NOT defeat the safety purpose of a grounding or polarized plug by removing ground pins or using unsafe adapters. A polarized plug has two blades - one wider than the other. A grounding plug has a third ground prong in addition to the two main conductors. The wide blade or third grounding prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician to replace your obsolete outlet. If you replace the power cord, only use one of similar type and equal or greater current rating.

The power cable for the SA-250 should be unplugged from the outlet during severe electrical storms, or when unused for a long period of time.

Only replace the fuse(s) in the SA-250 with fuse(s) of proper value and voltage rating.

The SA-250 should only be cleaned as directed in the manual. Avoid spraying liquids directly onto the unit and NEVER spray liquids into the vents. Care should be taken so that small objects do not fall into the inside of the unit.

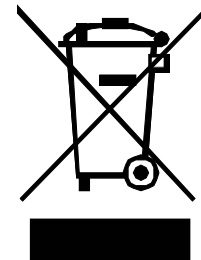


You should seek service for your SA-250 by qualified service personnel if any of the following occur:

1. The power-supply cord or the plug has been damaged.
2. Objects or liquid have fallen or spilled into the vents.
3. The unit has been exposed to rain.
4. The unit exhibits a marked change in performance.
5. The unit has been dropped, or its enclosure or chassis is damaged.

**NOTE: TO COMPLETELY DISCONNECT THE SA-250 FROM THE AC POWER MAINS, DISCONNECT THE AC POWER CORD FROM THE AC RECEPTACLE.**

**NOTE: THE POWER CORD ON THE SA-250 MUST REMAIN READILY ACCESSIBLE AT ALL TIMES.**

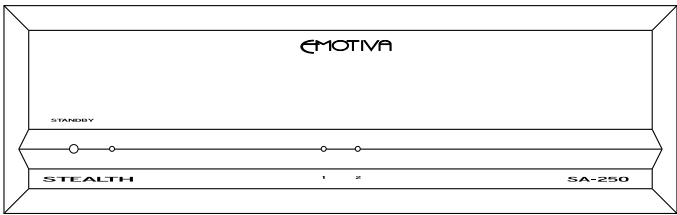




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# Emotiva Stealth SA-250

Studio Reference Power Amplifier



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### **Introduction**

Thank you for purchasing the new Emotiva Stealth SA-250 Studio Reference Power Amplifier.

The SA-250 is truly a unique overachiever. The SA-250 offers superb audiophile sound quality, incredible performance, a full complement of professional features, and a cool stealth design aesthetic - and is equally at home in the demanding environment of a professional studio, or driving the critical main channels in a high-end home stereo or home theater system.

The SA-250 was designed to be the the flagship amplifier for a new line of super-high-end studio equipment. Although it inherits its short signal path Class A/B architecture from our audiophile equipment, the SA-250 incorporates several circuit refinements and additions that raise its performance to a whole new level. The massively overbuilt power supply allows the SA-250 to drive any real-world speaker load effortlessly and with aplomb; it's incredibly low distortion and amazingly low noise floor ensure that you'll hear all the music, with nothing added or subtracted; and its heavy-duty chassis and faceted face plate - machined from a solid 1" slab of aluminum - contribute to its ruggedness and understated good looks. A full compliment of inputs, independent Gain and Ground Lift controls for each channel, and available rack-mount hardware, round out the list of features that make the SA-250 truly exceptional.

Happy listening!

The Emotiva Team

### **About This Manual**

This manual will provide you with the information you need to get started enjoying your SA-250 stereo power amplifier.

We suggest that you read through the entire manual; we kept things as short and direct as possible. Even if you're an expert user, you will probably find some interesting information and useful suggestions.

If you're really in a hurry to get started, please read the Quick Start section (on page 12); you may then read the remainder of the manual at your leisure.

You may wish to keep a copy of this manual with your records, and record serial numbers or other purchase information on the Notes page at the back.

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## Features

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### Features

The SA-250 is an professional stereo power amplifier that provides two independent channels of superb quality audio amplification. The SA-250 features our fully discrete, high-current, short signal path class A/B output section, and all of the advanced engineering and high quality construction you've come to expect from Emotiva.

#### *Features offered by the new Stealth SA-250 include:*

- **True audiophile-quality sound** - the SA-250 is superbly accurate, and exceptionally quiet, both critical in both home and studio applications.
- **Great sounding Class A/B topology** - ensures smooth, detailed sound and incredibly natural imaging while maintaining efficient performance.
- **Oversized toroidal power transformer with dual secondary windings and independent power storage capacitors for each channel** - provides plenty of real power for demanding program material, with virtually unlimited power reserves, and vanishingly low crosstalk.
- **Top quality parts and construction throughout** - promise years of reliable service.
- **Totally stable** - designed for use in the real world, with real speakers.
- **Stealth styling** - including a faceted face plate milled from a 1" slab of solid aluminum.
- **Front panel status LEDs** - display SA-250 status and indicate fault conditions.
- **Stealth mode** - lets you disable the status LEDs for discreet operation.
- **Heavy steel 3RU chassis** - provides strength and rugged good looks.
- **Independent input selection for each channel** - lets you independently configure each channel to use the balanced or unbalanced input for maximum flexibility.
- **Independent gain selection for each channel** - lets you match the SA-250 perfectly to a wide variety of other equipment.
- **Gold plated five-way speaker binding posts with clear shields** - allow you to use a wide range of speaker cables with bare wires, lugs, or banana plugs.
- **Solid machined gold-plated unbalanced RCA input connectors** - provide a tough, reliable connection with a wide variety of audio interconnects.
- **Combination 1/4" and XLR balanced inputs** - compatible with a wide variety of audiophile interconnects and standard studio connections.
- **Ground Lift** - allow you to independently lift the hard ground connection of the balanced inputs on each channel to solve tricky hum problems and eliminate ground loops.
- **Remote trigger input and output** - allow the SA-250 to be turned on by trigger-enabled equipment, and to activate other trigger-enabled equipment.
- **Audiophile-grade fault protection** - entirely transparent under normal conditions, yet protects the amp and your other equipment from all common fault conditions.
- **Universal AC line voltage operation** - 115 VAC or 230 VAC (user selectable).
- **Standard IEC power inlet** - fits all standard and audiophile IEC power cables.
- **Fully transferable five-year warranty** - ensures that you'll be able to enjoy your SA-250 for years to come (and helps the SA-250 maintain its value).

You can find more information about the SA-250 on our website at [www.emotiva.com](http://www.emotiva.com).

### **Unpacking**

Your SA-250 was carefully packed and should reach you in perfect condition. If you notice any shipping damage or other issues when you unpack it, please contact Emotiva immediately.

Gently remove your SA-250 from the packing carton and remove all wrappings and shipping material.

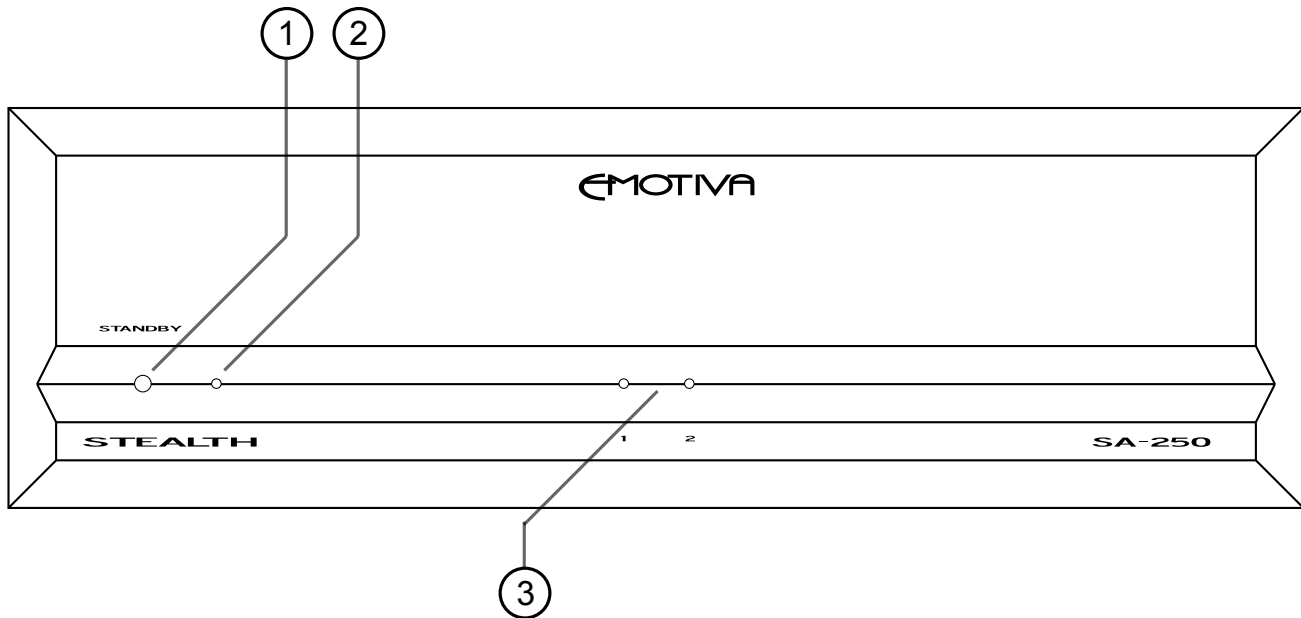
It is important to save the box and all packing materials in case your power amp ever needs to be moved or shipped back to the factory for service.

We truly value customer feedback and would like to hear from you.

### ***In The Package***

- SA-250 Professional Stereo Amplifier
- IEC Power Cable
- Trigger Cable

### Front Panel



#### 1. Standby Button

Press this button to switch the SA-250 from Standby to On; press it again to return to Standby.

**Note:** For the SA-250 to operate, the rear panel AC Power switch must be On.

#### 2. Standby Indicator LED

This LED illuminates red when the SA-250 is in Standby; blue when the SA-250 is On; and flashes red when a fault condition occurs.

#### 3. Channel Status Indicator LEDs

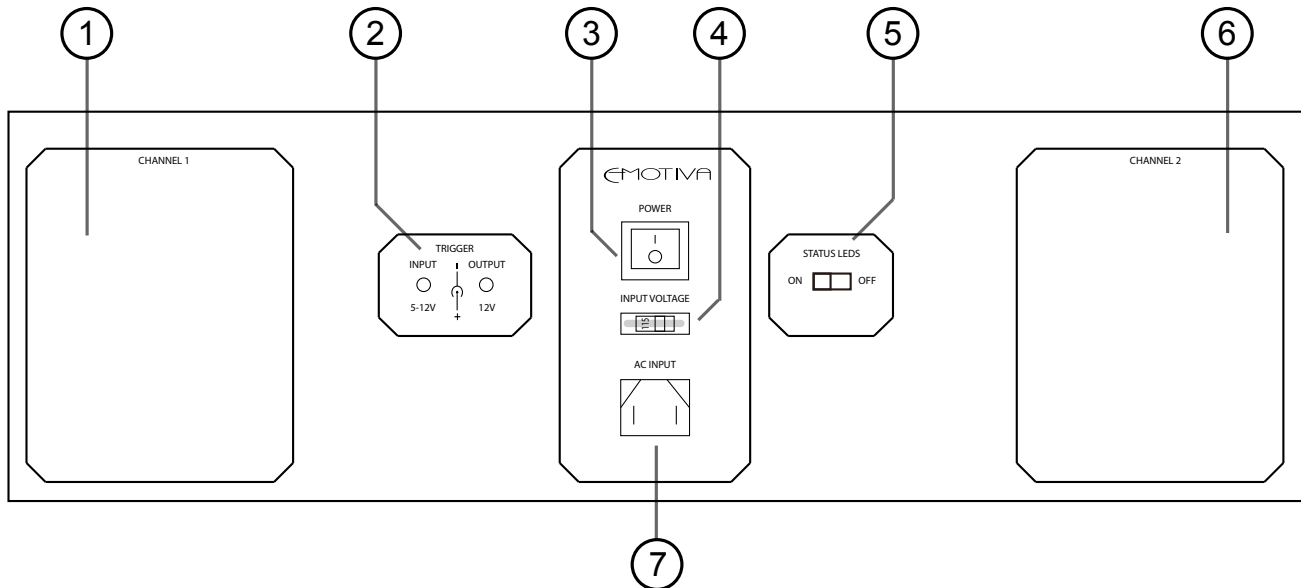
These LEDs display the status of each amplifier channel in the SA-250. Channel Status LEDs illuminate red briefly during startup; steady blue for normal operation; and blinking red to indicate a channel fault.

**Note:** The Status LEDs can be disabled by the Status LEDs switch on the rear panel.

**Note:** To reset a fault indication, switch the SA-250 into Standby, then back to On. If the fault returns, see the Troubleshooting section for more suggestions.



### Rear Panel



### 1. & 6. Channel 1 and Channel 2 Inputs, Outputs, and Controls

Balanced and unbalanced inputs, Input Selector switches, Gain selector switches, Ground Lift switches, and high quality speaker binding posts for each channel. (See the Rear Panel Inputs and Controls section for details.)

### 2. Trigger Input and Trigger Output

The SA-250 is switched On (from Standby) when a trigger signal is presented at the Trigger Input; the SA-250 returns to Standby when the trigger signal is removed. When the SA-250 is on, a 12 VDC signal is sent from the Trigger Output to control other devices.

### 3. AC Power Switch

Switches the main AC power to the SA-250 On and Off. When this switch is Off, no controls operate (the SA-250 cannot be turned On from the front panel or by a trigger signal).

### 4. Input Voltage Selector Switch

Use this switch to select the appropriate AC line voltage for your area.



**Warning:** If you are using the SA-250 in a studio or commercial environment where both 115 VAC and 230 VAC line voltages are available, be sure to confirm that this switch is set to the proper voltage before connecting or turning On the SA-250. Failure to do so could result in damage to your SA-250 amplifier.

### **5. Status LED Switch**

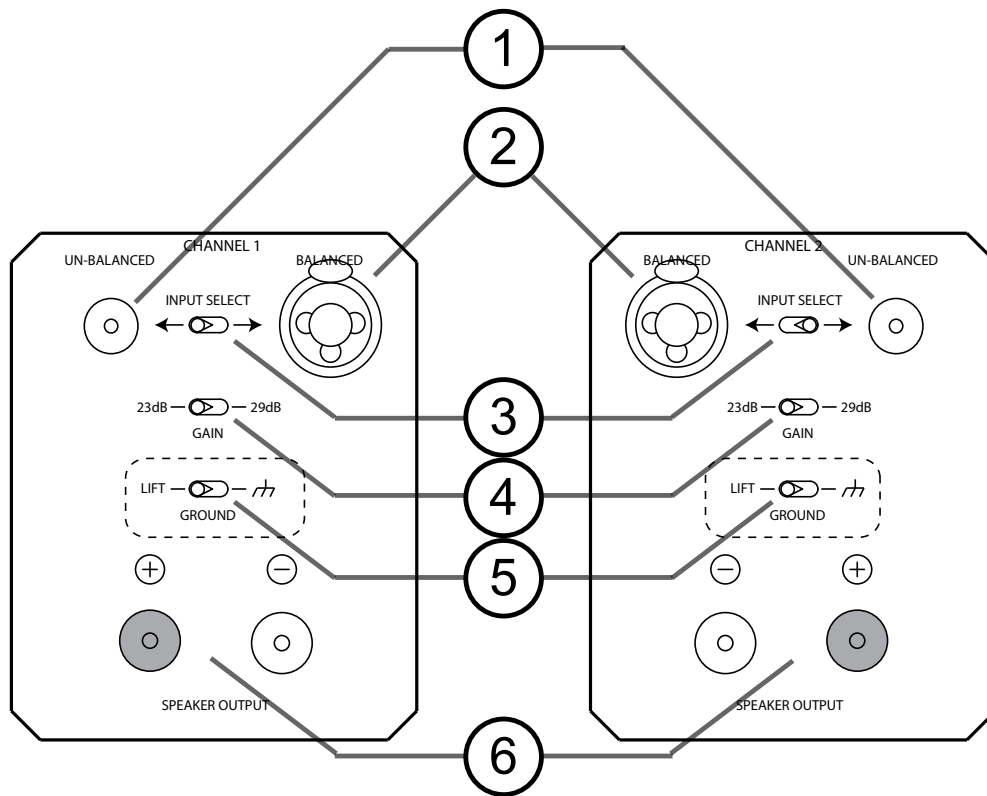
Disables the front panel status LEDs when set to Off.

### **7. IEC Power Cord Receptacle**

Accepts a standard removable IEC AC power cable (a high-quality commercial power cable is included).

***Note: The SA-250 uses a two-pin IEC power receptacle; both two-wire and three wire IEC power cables may be used with it.***

### Rear Panel Inputs and Controls



**Note:** The location of the Balanced and Unbalanced Input connectors, and the operating positions of the Input Selector switches, are mirror images for the Left and Right channels (Channel 1 and Channel 2); the operating positions for the Ground Lift and Gain switches are NOT mirror images. Most people find this intuitive, however you should use caution when making connections and operating these controls until you become familiar with them.

#### 1. Unbalanced (RCA) Input

Audiophile quality gold plated machined RCA input connector (accepts a line level unbalanced input).

#### 2. Balanced Input

Combination connector which accepts either a balanced XLR connector, or a standard balanced or unbalanced 1/4" phone type connector.

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## ***Rear Panel Inputs and Controls***

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### ***3. Input Selector Switch (balanced / unbalanced)***

High-quality metal toggle switch independently selects between the Unbalanced and Balanced input for each channel. The operating positions of these switches on Channel 1 and Channel 2 are mirrored; in all cases, set this switch towards the input you wish to select. Both a balanced and an unbalanced source may be connected at the same time, and the switch used to select between them, but only one source will be active at any given time.

### ***4. Gain Selector Switch***

Use this switch to select between 23 dB gain and 29 dB gain.

### ***5. Ground Lift Switch***

When this switch is in the Ground position (the position with the circuit ground symbol), the input circuit ground of the SA-250 is connected directly to chassis ground. When this switch is in the Lift position, input ground is connected to chassis ground through a 10 ohm resistor. Normally this switch is left in the Ground position; if you notice audible hum and suspect a ground loop as the cause, setting one or both switches to the Ground Lift position may reduce it.

***Note: The location of the speaker terminals are mirror images for the Left and Right channels (Channel 1 and Channel 2); the + terminals are both toward the OUTSIDE of the SA-250; the - (ground) terminals are toward the CENTER of the SA-250.***

### ***6. Speaker Terminals***

High quality binding posts accept banana plugs, spade lugs, or bare wires.

Each channel of the SA-250 is rated to drive either a 4 ohm or 8 ohm load.

### Quick Start

To get the most from your SA-250, we urge you to read the entire manual. If you just can't wait to listen to it, this section will cover the basics you need to get started.

- Find a secure location for your SA-250.
- Confirm that the Input Voltage Switch is set to the correct voltage for your area.
- Set the Gain switches for the correct gain to match your other equipment (29 dB is typical for most consumer audio equipment).
- Set the Ground Lift switches as required (if you don't notice any hum either way, leave these in the Ground position).
- Connect your SA-250 to a signal source.
- Set the Input Select switches to the Inputs you've chosen.
- Connect your SA-250 to a set of speakers (4 ohm or 8 ohm) using reasonably heavy gauge speaker wires (at least 18 gauge).
- Find some music you *really* like to listen to.
- Turn on the AC Power switch and turn up the volume a bit!
- Enjoy!

While you're enjoying your SA-250, it would be a great time to read the rest of the manual to learn more about it.

### Connections

#### Connecting speakers to your SA-250

Your SA-250 has no special connection requirements; audiophile grade five-way binding posts are provided for speaker connections.

- **Always** turn off the amplifier before connecting or disconnecting speaker cables or signal source interconnects.
- **Always** verify that your speaker cables are firmly attached, and not shorted to each other or to any other cables, before powering up your SA-250.
- **Always** use high-quality speaker wire; 18-gauge or heavier.
- If you must use thinner wire, try to keep the length as short as possible.
- Be careful to wire all speakers “in phase” (the plus/red terminal on each speaker to the plus/red terminal on your amp).

**Note: The location of the speaker terminals are mirror images for the Left and Right channels (Channel 1 and Channel 2); the + terminals are both toward the OUTSIDE of the SA-250; the - (ground) terminals are toward the CENTER of the SA-250.**

- Try to use wires of equal length and gauge for both speakers in each pair (use the same gauge and length for both fronts, or for both surrounds; don’t use a long 16-gauge wire for one speaker and a short 10-gauge wire for the other).
- If you use stranded cables, use care to avoid short circuits (from stray strands touching).
- Emotiva offers very high-quality, pre-made speaker cables at reasonable prices. You will find them in the Interconnects section of our website at [www.emotiva.com](http://www.emotiva.com).

#### Connecting an input source to your SA-250

Your SA-250 amplifier has both balanced and unbalanced inputs; switches independently select which input is active for each channel. Be sure to set these switches correctly. If your source component offers both types of outputs, a balanced connection is generally preferred, especially for long cable runs and in noisy environments. We suggest using reasonably high quality cables, keeping cables no longer than necessary, and avoiding running signal cables near power cables and speaker cables whenever possible.

The balanced inputs on the SA-250 each accept a balanced audio signal through either an XLR connector or a stereo (3-wire) 1/4” phone type connector wired to a balanced signal source.

You may also connect an unbalanced signal source to your SA-250 using a 1/4” connector wired as unbalanced/monaural. (If you do so, since you will be using the balanced input, even though your input signal is unbalanced, you should still set the switch to the Balanced position.

DO NOT connect a digital signal to the inputs of your SA-250 (or you may damage it or your speakers).

### ***Connecting the Trigger Input and Trigger Output***

The Trigger Input accepts a 12 VDC (nominal) trigger signal from another device via a standard 1/8" mono plug. When the trigger is asserted, the SA-250 will switch On; when the trigger is removed, the SA-250 will return to Standby mode. The Trigger Output sends out 12 VDC whenever the main power to the SA-250 is On (and NOT when the SA-250 is in Standby mode) which can be used to switch on other units with trigger capabilities.



### Configuration and Operation

#### Line Voltage

The SA-250 can operate from line voltages of 115 VAC +/- 10% or 230 VAC +/- 10%. Be sure to select the correct line voltage for your area using the Input Voltage switch on the rear panel of the SA-250.

**Note: Connecting your SA-250 to a power source with the Input Voltage switch in the wrong position may result in improper operation or damage to your SA-250.**

#### AC Power Switch (rear panel)

The rear-panel AC Power switch controls the main AC power for your SA-250. When this switch is in the Off position, the amplifier will not operate. Turning it On will put the SA-250 into Standby mode.

#### Standby Switch (front panel push button)

Press to switch the amplifier On; press again to return to Standby; the Standby Indicator LED will illuminate red for Standby mode and blue when the SA-250 is On.

#### Input Selector Switch

Use this switch to select between the balanced and unbalanced input for each channel of the SA-250. The Input Selector switches for the Left and Right Channels of the SA-250 are mirror imaged. Simply remember to set both switches *TOWARD THE INPUT CONNECTOR THAT YOU ARE USING* on each channel. Also remember that, if you're using an unbalanced cable for your input, but have it plugged into the 1/4" balanced input connector, you should set the Input Selector Switch for that channel to balanced (because you're using the balanced input *connector*).

#### Gain Selector Switch

Set this switch to the value that provides the best match to your source equipment; for most home audio equipment, this will be 29 dB. However, if your source equipment has an unusually high output level, or you notice excessive background noise when no audio is present, the 23 dB setting may provide better results.

#### Ground Lift Switch

When this switch is in the Ground position (the position with the circuit ground symbol), the input circuit ground of the SA-250 is connected directly to chassis ground. When this switch is in the Lift position, input ground is connected to chassis ground through a 10 ohm resistor. Normally this switch is left in the Ground position; if you notice audible hum and suspect a ground loop as the cause, setting one or both switches in the Ground Lift position may reduce it.

### **Care and Maintenance**

#### ***Periodic Maintenance***

Your SA-250 requires no periodic maintenance or calibration.

#### ***Cleaning your SA-250***

- If necessary, the SA-250 should be cleaned gently with a soft rag.
- If something sticky gets on the front panel or case of the SA-250, it should be cleaned with a mild cleaning solution applied to a soft rag, followed by wiping with a clean rag dampened with plain water and drying with a soft dry rag or cloth.

***Note: DO NOT spray water or cleaning solution directly onto the SA-250 or into the vents.***

### **Specifications**

#### ***Topology:***

Fully discrete, dual differential, high current, short signal path Class A/B.

#### ***Number of Channels:***

2.

#### ***Power Output (rated power):***

250 watts RMS per channel @ < 0.08% THD; both channels driven; into 8 Ohms.

400 watts RMS per channel @ < 0.1% THD; two channels driven; into 4 Ohms.

#### ***Rated Power Bandwidth (at rated power; 8 Ohm load):***

20 Hz to 20 kHz + / - 0.1 dB.

#### ***Minimum Recommended Load Impedance:***

4 Ohms; which equals one 4 Ohm load or two paralleled 8 Ohm loads.

#### ***Frequency Response:***

5 Hz to 80 kHz (+ 0 / - 1.5 dB).

#### ***THD + noise:***

< 0.02%.

#### ***Signal to Noise Ratio (8 Ohm load):***

> 96 dB at 1 watt (A-weighted).

> 120 dB at rated power (A-weighted).

#### ***Damping Factor (8 Ohm load):***

> 500.

#### ***Speaker Output Connections:***

Audiophile grade, gold plated, 5-way binding posts.

## Specifications

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### **Power Supply:**

80,000 uF total storage capacitance; 40,000 uF of separate storage capacitance per channel.  
1200 VA heavy duty toroidal transformer with dual secondary windings.

### **Input Sensitivity (for rated power; 8 Ohm load):**

3.2 V

### **Gain:**

User selectable; per channel; 23 dB or 29 dB.

**Note: Measurements / tests run with gain set to 23 dB.**

### **Input Connections:**

Unbalanced (RCA); balanced (combination XLR and 1/4" phone type);  
one each per channel, independently selectable.

### **Input Impedance:**

30 kohms (balanced).  
23.5 kohms (unbalanced).

### **Trigger:**

Trigger Input: 5 - 12 V (AC or DC); <10 mA input current required.  
Trigger Output: 12 VDC; can drive any load up to 100 mA.

### **Power Requirements:**

115 VAC or 230 VAC +/- 10% @ 50 / 60 Hz (user selectable).

### **Front Panel Controls and Indicators:**

Standby; push button (indicator LED changes color to indicate Standby or On).  
Status LEDs; one per channel; blue.  
Status LEDs change to red to indicate a fault condition.

### **Rear Panel Controls:**

AC Power switch; rocker switch (switches AC main power).  
Status LEDs switch; disables front panel Status LEDs.  
Input selector switches (one per channel); metal toggle switches.  
Gain (one per channel).  
Ground Lift (one per channel).

## ***Specifications***

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### ***Protection:***

The SA-250 is protected against excessive operating temperature, shorted speaker connections, ground faults, and other common fault conditions.

### ***Dimensions:***

17" wide x 5.75" high x 19-1/2" deep; unboxed (includes feet and binding posts).

23" wide x 11" high x 25" deep (boxed).

### ***Weight:***

58 pounds unboxed (64 pounds boxed).

### Troubleshooting

The SA-250 is carefully designed and manufactured from high-quality precision components to ensure years of trouble free operation. We really doubt you'll ever have any problems with your SA-250, but if you do, here are a few things you could try:

**Problem: No output (nothing is lit).**

*Reason: You have no AC power.*

- Verify that the rear panel AC Power switch is On.
- Verify that your circuit is live.
- Verify that the line cord on the SA-250 is fully inserted and is tight.

**Problem: The SA-250 is operating normally, but none of the front panel status LEDs are lit.**

*Reason: The front panel status LEDs are turned off.*

- Set the Status LEDs switch on the rear panel to On.

**Problem: No sound or distorted sound is heard; the LEDs are lit blue.**

*Reason: The SA-250 is not indicating a fault condition.*

- Check your source.
- Check your Balanced/Unbalanced Selector Switches.
- Check your speakers and speaker connections.

**Problem: One channel is louder than the other; I'm sure my source is balanced.**

*Reason: You have the gain set differently on the two channels of the SA-250.*

- Check your Gain Switch settings.

**Problem: No sound is heard; one or more Status LEDs is flashing red.**

*Reason: The SA-250 is in Protect mode, which indicates a fault condition.*

- Switch the rear panel AC Power switch Off and On to clear the Fault condition.
- If the fault remains, look for a shorted speaker cable or damaged speaker.
- Check your sources and source connections (a bad interconnect, DC on the input, or an otherwise bad source component can cause a fault).

**Problem: The Standby LED is lit red and the SA-250 fails to come on when triggered.**

*Reason: The SA-250 is in Standby mode and should respond to a valid trigger signal.*

- Check your trigger cable.
- Check the trigger settings on your source equipment.

### Emotiva Audio Corporation Limited Warranty

#### ***What does this warranty cover?***

Emotiva Audio Corporation ("Warrantor") warrants its products against defects in materials and workmanship.

#### ***How long does this coverage last?***

This warranty commences on the date of retail purchase by the original retail purchaser and runs for a period of five years thereafter, with the exception of products in the Fusion Series, which are warranted for a period of three years from the date of retail purchase by the original retail purchaser. This warranty is transferable to any person that owns the warranted product during the Term. Warrantor warrants any replacement product or part furnished hereunder against defects in materials and workmanship for the longer of the following: (i) the amount of time remaining under the original warranty, or (ii) 120 days from your receipt of the repaired or replaced product. The duration described in this paragraph is hereinafter referred to as the "Term".

**TO THE FULLEST EXTENT PERMITTED BY LAW, ALL IMPLIED WARRANTIES RELATED TO THE ORIGINAL PRODUCT AND ANY REPLACEMENT PRODUCT OR PARTS (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE EXPRESSLY LIMITED TO THE TERM OF THIS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.**

A claim under this warranty must be made by you within the Term. A claim shall not be valid (and Warrantor has no obligation related to the claim) if it is not made within the Term and if it is not made in strict compliance with the requirements of the "How do you get service?" section.

#### ***What will Warrantor do?***

Warrantor will, at its option, either: (i) repair the product, or (ii) replace the product with a new consumer product which is identical or reasonably equivalent (in Warrantor's sole discretion) to the product. In the event Warrantor is unable to provide replacement and repair is (in Warrantor's sole discretion) not commercially practicable or cannot (in Warrantor's sole discretion) be timely made, then: (i) if the claim was submitted during the first 365 days of the Term, Warrantor shall refund to you the purchase price that you paid for the product; and (ii) if the claim was submitted after the first 365 days of the Term, Warrantor shall issue you a credit equal to the purchase price that you paid for the product. The credit can only be used for the purchase of merchandise and cannot be used for freight / shipping.

When a product or part is repaired or replaced, any replacement item becomes your property and the replaced item becomes Warrantor's property. When a refund or credit is given, the product for which the refund or credit is provided must be returned to Warrantor and becomes Warrantor's property.



## **Warranty**

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### ***What is not covered by this warranty?***

This warranty does not apply: (i) to damage caused by use with products not manufactured by Warrantor, where the non-Warrantor product is the cause of the damage; (ii) to damage caused by service or maintenance performed by anyone who is not a representative of Warrantor; (iii) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (iv) to a product or part that has been modified after its retail purchase, where the modification caused or contributed to the damage; (v) to consumable parts, such as batteries; or (vi) if any Warrantor serial number has been removed or defaced on the product. WARRANTOR SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR RELATED TO ANY DEFECTS IN OR DAMAGES TO ITS PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

### ***How do you get service?***

In order to make a claim under the warranty, you must:

1. Call or email a customer service representative at 1-877-EMO-TECH (1-877-366-8324) or [support@emotiva.com](mailto:support@emotiva.com). Provide a description of your problem and the serial number of the product for which the warranty claim is being made.
2. You will be provided with a returned material authorization number ("RMA").
3. Ship the product to the following address, with the RMA written in large, bold numbers on the outside of the box, and with the letters "RMA" written before the number. Parcels arriving without a RMA number on the outside of the box will be refused. The customer pays for the shipping to Warrantor and Warrantor pays for the shipping back to the customer, as applicable.

Emotiva Audio Corporation  
Attn: Repair Department  
139 Southeast Parkway Court  
Franklin, TN 37064

### ***How does state law apply?***

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

### **Accessories**

#### ***Speaker Cables and Interconnects***

Using high-quality speaker cables and audio interconnects will ensure that you get the best sound quality and maximum reliability from your SA-250 amplifier and the speakers connected to it. Emotiva Audio offers high-quality speaker cables and audio interconnects that feature solid engineering, premium build quality, excellent performance, and reasonable cost.

Rack ears and alternate trim options are also available.

You will find both on our website at [www.emotiva.com](http://www.emotiva.com).

## Notes

## Notes

All information contained in this manual is accurate to the best of our knowledge at the time of publication. In keeping with our policy of ongoing product improvement, we reserve the right to make changes to the design and features of our products without prior notice.

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